ABSTRACT

A hollow fiber membrane is provided that can be used for the treatment of water such as in a home water purifier and an industrial water filtration module, and for air treatment such as in a dust filter. The hollow fiber membrane of the present invention is a composite hollow fiber membrane made by stacking three or more layers of membranes in three-dimensional net structure having a plurality of micropores formed from stacked lamella and microfibrils connected with the stacked lamella. The composite hollow fiber membrane also has a dense layer, that is thinner than the outermost layer and the innermost layer and has micropores of a mean pore diameter smaller than that of the micropores of the outermost layer and the innermost layer, as an intermediate layer disposed between the outermost layer and the innermost layer. The hollow fiber membrane achieves high separation accuracy and a high flow rate of permeation.